

Fig. 1

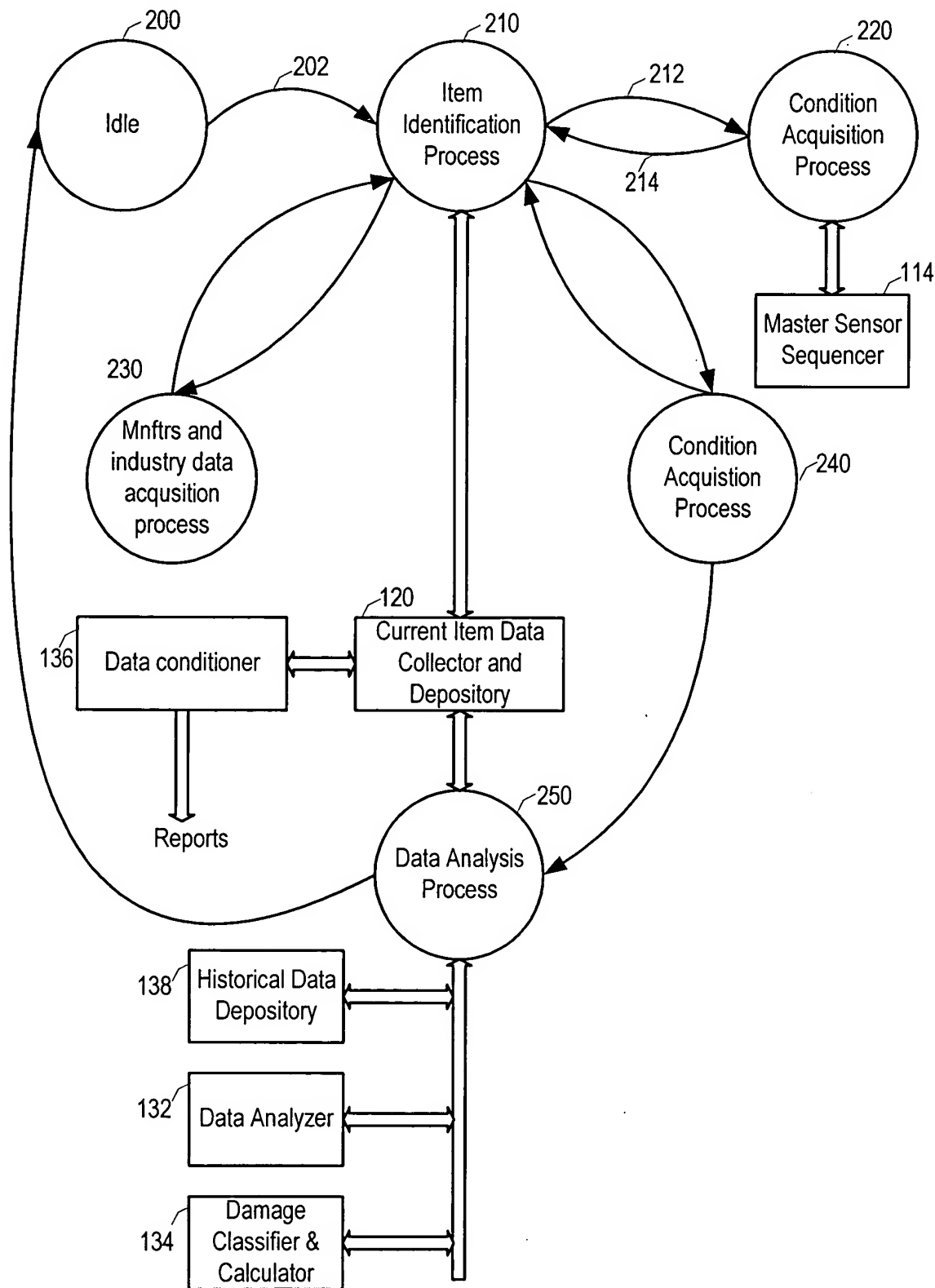


Fig. 2

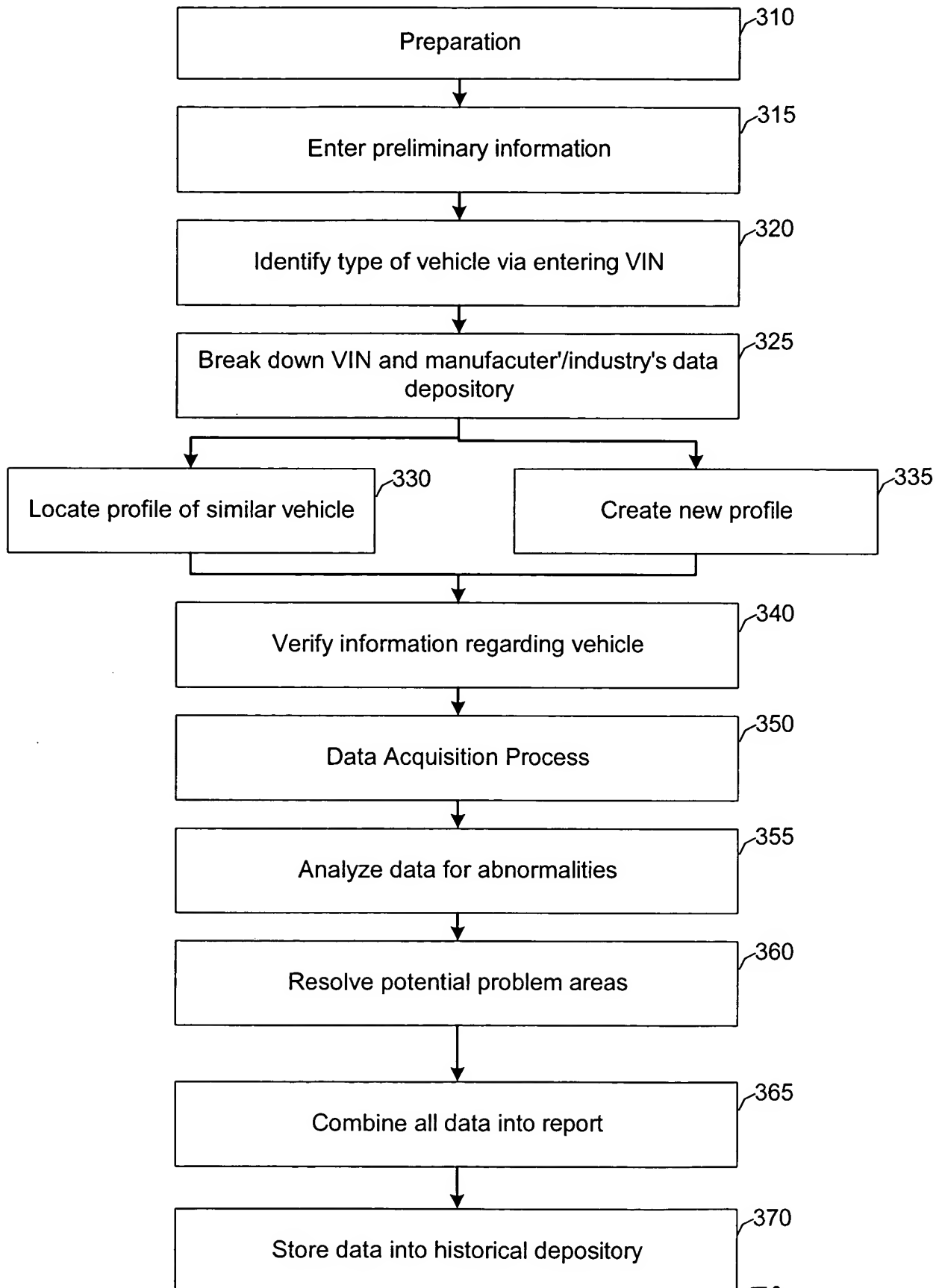


Fig. 3

Scenario #1 - Automotive Item Description

SELECT ITEM CATEGORY		AUTOMOTIVE	
ENTER VIN NUMBER		12345678901234567	GO
ERROR MESSAGE if VIN INCORRECT (flashing)			

Make: FORD	Model: PASSPOR	Year: 2001
Doors: 5	EXT Color: BLACK	Trim: LX

Body Type <input checked="" type="radio"/> CP <input type="radio"/> SU <input type="radio"/> SN <input type="radio"/> WG <input type="radio"/> HB <input type="radio"/> VN	Engine <input checked="" type="radio"/> 8 CYL <input checked="" type="checkbox"/> Nat Gas <input type="radio"/> 6 CYL <input type="checkbox"/> Elect <input type="radio"/> 4 CYL <input type="checkbox"/> NA	Drive <input type="checkbox"/> 2WD <input checked="" type="checkbox"/> 4WD	<input checked="" type="checkbox"/> Power Steering <input checked="" type="checkbox"/> Power Brakes
Mats <input checked="" type="checkbox"/> Cloth <input checked="" type="checkbox"/> Vinyl	Seat Type <input type="radio"/> Bucket <input checked="" type="radio"/> Captains <input type="radio"/> Bench	Seat Material <input type="radio"/> Leather <input checked="" type="radio"/> Cloth <input type="radio"/> Vinyl	
VIN Serial Number: <input type="text"/> INT Color: <input type="text"/>	Transmission <input type="radio"/> 6 SPD <input type="checkbox"/> Auto <input type="radio"/> 5 SPD <input type="checkbox"/> 4X4 <input type="radio"/> 4 SPD	Interior Type <input type="checkbox"/> Cloth <input type="checkbox"/> Leather <input type="checkbox"/> Hld Seats	
Radio <input type="checkbox"/> AM/FM <input type="checkbox"/> INOP <input type="checkbox"/> Missing <input type="checkbox"/> W/CD <input checked="" type="checkbox"/> Stereo <input type="checkbox"/> Tape <input type="checkbox"/> Brand <input type="checkbox"/> CD Chg <input type="checkbox"/> CD Car <input type="checkbox"/> Code <input type="checkbox"/> Speakers	Fuel <input type="radio"/> Full <input type="radio"/> 3/4 <input type="radio"/> 1/2 <input type="radio"/> 1/4 <input type="radio"/> Empty	Odometer Info <input type="checkbox"/> 6 Digit Odometer <input type="checkbox"/> Odometer Broken <input type="checkbox"/> TMV <input type="checkbox"/> NAM Mileage: <input type="text"/> 0	

<input type="checkbox"/> Power Windows <input type="checkbox"/> Power Seats <input type="checkbox"/> Power Locks <input type="checkbox"/> Sunroof <input type="checkbox"/> Moonroof <input type="checkbox"/> Targa <input type="checkbox"/> Conv	<input type="checkbox"/> AC <input type="checkbox"/> Inop <input type="checkbox"/> Warm <input type="checkbox"/> Spoiler <input type="checkbox"/> Cust Wheel <input type="checkbox"/> Drv Lights <input type="checkbox"/> Gold Pkg <input type="checkbox"/> Bra <input type="checkbox"/> AirDefl	<input type="checkbox"/> Cruise <input type="checkbox"/> TCS <input type="checkbox"/> Rear Defog <input type="checkbox"/> ABS <input type="checkbox"/> SRS <input type="checkbox"/> Phone <input type="checkbox"/> Factory <input type="checkbox"/> Books <input type="checkbox"/> Records	<input type="checkbox"/> TowPkg <input type="checkbox"/> Run Board <input type="checkbox"/> Side Steps <input type="checkbox"/> GrillGuard <input type="checkbox"/> Lug Rack <input type="checkbox"/> Alarm <input type="checkbox"/> Keyless Alarm
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Fig. 4A

Scenario #2 - Heavy Equipment Description

SELECT ITEM CATEGORY	HEAVY EQUIPMENT	
ENTER SERIAL NUMBER	123456789012	GO
ERROR MESSAGE if S/N INCORRECT (flashing)		
MAKE	CATERPILLAR	MODEL 924G
CHECK ALL FEATURES/OPTIONS THAT APPLY		
<input type="checkbox"/> 3056 ENGINE	<input type="checkbox"/> FENDERS, STANDARD	
<input type="checkbox"/> CAB, with AIR CONDITIONER	<input type="checkbox"/> DOORS, CAB, SLIDING GLASS	
<input type="checkbox"/> DIFFERENTIAL, LIMITED SLIP, FRNT	<input type="checkbox"/> PRECLEANER, DUST BOWL	
<input type="checkbox"/> LINES, FRONT	<input type="checkbox"/> INSTRUCTIONS, ENGLISH	
<input type="checkbox"/> TIRES, 20.5-R25 XTLA*L2	<input type="checkbox"/> GUARD, POWERTRAIN	
<input type="checkbox"/> SUN VISOR, FRONT	<input type="checkbox"/> HEATER, ENGINE COOLANT, 120V	
<input type="checkbox"/> BUCKET, 2.6 CYD (HO)	<input type="checkbox"/> CUTTING EDGE, BOLT ON (4 PIECE)	
<input type="checkbox"/> AM/FM CASSETTE RADIO	<input type="checkbox"/> EROPS	
<input type="checkbox"/> LINKAGE, STANDARD	<input type="checkbox"/> ALTERNATOR, HIGH OUTPUT, 70AMP	
<input type="checkbox"/> SEAT, CONTOUR/AIR SUSPENSION	<input type="checkbox"/> TRANSMISSION, STANDARD	
<input type="checkbox"/> DIFFERENTIAL, LIMITED SLIP, REAR	<input type="checkbox"/> HYDRAULICS, 3 VALVE, 2 LEVER, FNR	
<input type="checkbox"/> OIL COOLER, HYDRAULIC	<input type="checkbox"/> LIGHTS, AUX, FRONT	
<input type="checkbox"/> GUARD, CRANKCASE	<input type="checkbox"/> INSTALLATION GROUP, RADIO 12V	
<input type="checkbox"/> SUN SCREEN, REAR	<input type="checkbox"/> COUNTERWEIGHT, EXTRA	
<input type="checkbox"/> COUPLER	<input type="checkbox"/> RIDE CONTROL	
<input type="checkbox"/> AIR CONDITIONER	<input type="checkbox"/> 3RD VALVE	
<input type="checkbox"/> ADD A FEATURE OR OPTION NOT LISTED ABOVE		

Fig. 4B

Scenario #3 - Antique






SELECT ITEM CATEGORY	ANTIQUE			
SELECT PERIOD/STYLE	EARLY AMERICAN		<input checked="" type="checkbox"/>	Check box to left and enter new PERIOD/STYLE for antiques
SELECT TYPE	TEA SET		<input type="checkbox"/>	Check box to left and enter new TYPE for antiques
SELECT PRIMARY COMPONENT	Silver Plate over Pewter		<input type="checkbox"/>	Check box to left and enter new PRIMARY COMPONENT for antiques
ENTER MANUFACTURER/ ARTISAN	Paul Revere			
ENTER DATE(s)	c. 1775			
	<div>ENTER DESCRIPTORS</div> <div></div>			

Fig. 4C

Sample New Item Test Selection Screen

List below the desired sensors to analyze for all future items of this type.

<u>Sequence</u>	<u>Sensor Test Type</u>
<input type="checkbox"/>	<input type="checkbox"/> Acoustical
<input type="checkbox"/>	<input type="checkbox"/> Electrical
<input type="checkbox"/>	<input type="checkbox"/> Electromagnetic fields
<input type="checkbox"/>	<input type="checkbox"/> Emissions
<input type="checkbox"/>	<input type="checkbox"/> Engine compression
<input type="checkbox"/>	<input type="checkbox"/> Fluid levels
<input type="checkbox"/>	<input type="checkbox"/> Image
<input type="checkbox"/>	<input type="checkbox"/> Impedance
<input type="checkbox"/>	<input type="checkbox"/> Infrared
<input type="checkbox"/>	<input type="checkbox"/> Internal systems self diagnosis
<input type="checkbox"/>	<input type="checkbox"/> Leaks
<input type="checkbox"/>	<input type="checkbox"/> Luminance
<input type="checkbox"/>	<input type="checkbox"/> Magnetic
<input type="checkbox"/>	<input type="checkbox"/> Mechanical (doors, trunk, hood opening etc.)
<input type="checkbox"/>	<input type="checkbox"/> Radar
<input type="checkbox"/>	<input type="checkbox"/> Radiation
<input type="checkbox"/>	<input type="checkbox"/> Resonance
<input type="checkbox"/>	<input type="checkbox"/> Smell
<input type="checkbox"/>	<input type="checkbox"/> Sonar
<input type="checkbox"/>	<input type="checkbox"/> Surface smoothness
<input type="checkbox"/>	<input type="checkbox"/> Surface thickness (body, interior, tires, etc.)
<input type="checkbox"/>	<input type="checkbox"/> Surface type
<input type="checkbox"/>	<input type="checkbox"/> Tension/reflectiveness (body, roof, etc.)
<input type="checkbox"/>	<input type="checkbox"/> Thermal
<input type="checkbox"/>	<input type="checkbox"/> Transparency (windows, windshields)
<input type="checkbox"/>	<input type="checkbox"/> Vibration
<input type="checkbox"/>	<input type="checkbox"/> Weight

Fig. 5